

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/007156

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/28 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/110334 A1 (BLACKWELL ROBIN J ET AL) 12 June 2003 (2003-06-12) paragraph '0044! - paragraph '0055!	1,10
A	EP 1 009 171 A (CIT ALCATEL) 14 June 2000 (2000-06-14) paragraph '0001! - paragraph '0019!; figure 3a	1,10
A	EP 0 705 012 A (AT & T CORP) 3 April 1996 (1996-04-03) abstract	1,10
A	EP 1 286 501 A (THOMSON LICENSING SA) 26 February 2003 (2003-02-26) paragraph '0001! - paragraph '0011!	1,10
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents: -

- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the International search

14 October 2004

Date of mailing of the International search report

22/10/2004

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INTERNATIONAL SEARCH REPORTInternational Application No
PCT/EP2004/007156**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/078161 A1 (CHENG DOREEN YINING) 20 June 2002 (2002-06-20) abstract -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007156

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2003110334	A1	12-06-2003	EP WO	1459484 A2 03049370 A2		22-09-2004 12-06-2003
EP 1009171	A	14-06-2000	FR AU CA EP JP US	2787268 A1 6444499 A 2284392 A1 1009171 A1 2000196679 A 6683868 B1		16-06-2000 15-06-2000 10-06-2000 17-06-2000 14-07-2000 27-01-2004
EP 0705012	A	03-04-1996	US CA DE EP JP JP	5680552 A 2155775 A1 69533122 D1 0705012 A2 3335510 B2 8097847 A		21-10-1997 21-03-1996 15-07-2004 03-04-1996 21-10-2002 12-04-1996
EP 1286501	A	26-02-2003	EP WO EP	1286501 A1 03019864 A2 1419620 A2		26-02-2003 06-03-2003 19-05-2004
US 2002078161	A1	20-06-2002	WO	0251067 A2		27-06-2002